

475 17<sup>rd</sup> Street Suite 1500 Denver Colorado 80202 Telephone 303 573-1222 Fax 303 573 0461

#### September 4, 2008

Ms. Diana Mason Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

RE: Enduring Resources, LLC

Hanging Rock 11-24-14-30

SWSW 30-11S-24E

Federal Lease: UTU-85249

Uintah County, Utah

Dear Ms. Mason:

Enclosed is one original application to drill concerning the above-referenced proposed well.

Enduring Resources, LLC is requesting the Utah Division of Oil, Gas and Mining to hold this application and all future information as confidential.

If any questions arise or additional information is required, please contact me at 303-350-5114.

Very truly yours,

**ENDURING RESOURCES, LLC** 

Alvin R. (Al) Arlian

Landman-Regulatory Specialist

ara/

Enclosures as stated:

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SEP 0 8 2008

DIV. OF OIL, GAS & MINING

FORM 3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

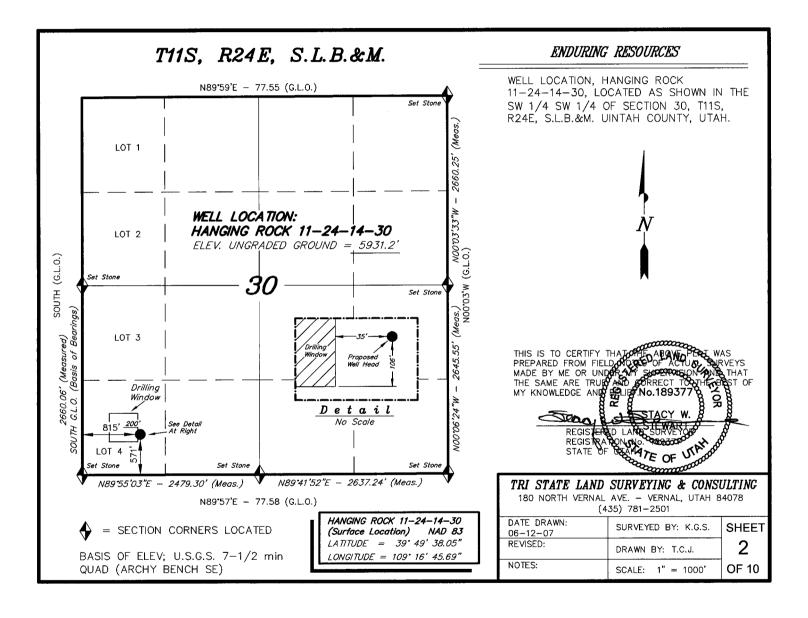
AMENDED REPORT	
(highlight changes)	

	APPLICATION FOR PERMIT TO DRILL					1	IERAL LEASE NO: TU-85249	6. SURFACE: Federal
1A. TYPE OF WO	PRK: D	RILL 🔽	REENTER [	DEEPEN		7. IF II	NDIAN, ALLOTTEE OR	TRIBE NAME:
B. TYPE OF WE	ll: OIL 🗌	GAS 🗹	OTHER	SIN	GLE ZONE MULTIPLE ZON	EI/II	T or CA AGREEMENT N	IAME:
2. NAME OF OPE	RATOR:	<del></del>					HS PLA 1+	:
Enduring R		LLC					nging Rock 11-	
3. ADDRESS OF					PHONE NUMBER:		ELD AND POOL, OR WI	
475 17th St	t., Ste 1500	<sub>city</sub> Denv	er st	ATE CO ZIP 802	202 (303) 350-5114	Un	designated	
4. LOCATION OF			647305	X .3	9. 827329		TR/QTR, SECTION, TOV RIDIAN:	VNSHIP, RANGE,
AT SURFACE:	571' FSL -					, sw	SW 30 115	3 24E
AT PROPOSED	PRODUCING ZO	<sub>NE:</sub> Same	44098	004	-109. 278729	-		
14. DISTANCE IN	MILES AND DIRE	ECTION FROM NEA	AREST TOWN OR PO	OST OFFICE:		12. CC	DUNTY:	13. STATE: UTAH
25 miles	southwest o	of Bonanza,	UT			Uir	ıtah	01741
15. DISTANCE TO	O NEAREST PROF	PERTY OR LEASE	LINE (FEET)	16. NUMBER O	FACRES IN LEASE:	17. NUMBER	OF ACRES ASSIGNED	TO THIS WELL:
571'					Approx. 560			40 acres
	O NEAREST WELL R) ON THIS LEASE	L (DRILLING, COM E (FEET)	PLETED, OR	19. PROPOSED		20. BOND DE	SCRIPTION:	
1000' +					4,865	RLB00		
	•	ER DF, RT, GR, ET	C.):		ATE DATE WORK WILL START:	l	ED DURATION:	
5945'	RT			12/31/20	008 	20 days	S	
24.			PROPOS	SED CASING A	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE,	GRADE, AND WEI	GHT PER FOOT	SETTING DEPTH	NG DEPTH CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
20"	14"	line pipe		40	3 yards	Ready Mix		
11"	8-5/8"	J-55	24#	2,016	Premium Lead	138sxs	3.50	11.1
					Premium Tail	138 sxs	3 1.15	15.8
7-7/8"	4-1/2"	N-80	15.1#	4,865	Class G	55 sxs	3.3	11.0
					50/50 Poz Class G	464 sxs	1.56	14.3
25.	<u></u>			ATTA	CHMENTS			
VERIFY THE FOL	LOWING ARE AT	TACHED IN ACCO	RDANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:			
✓ WELL PL	AT OR MAP PREE	PARED BY LICENS	ED SURVEYOR OR	ENGINEER	COMPLETE DRILLING PLAN			
	- OF BUILDION O		40000VA 500 IV	05 05 WUTER		D0011 0D 0011	DANK OTHER THAN T	IE I EVOE OMNIED
✓ EVIDENC	E OF DIVISION O	F WATER RIGHTS	APPROVAL FOR U	SE OF WATER	FORM 5, IF OPERATOR IS PE	RSON OR COM	PANY OTHER THAN TE	IE LEASE OWNER
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NAME (PLEASE I	PRINT) AIVIN I	R. (Al) Arliar			TITLE Landman - Re	guiatory S	pecialist	
SIGNATURE					DATE 9/4/2008			
(This space for Sta	٠,٠	3-047-4	0351	Utal	roved by the h Division of as and Mining		RECEIV SEP 08 2	4
							00 /	LUUU

Federal Approval of this Action is Necessary

(11/2001)

DIV. OF OIL, GAS & MINING



#### ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500 Denver, Colorado 80202

Telephone:

303-573-1222

Facsimile:

303-573-0461

September 4, 2008

State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

**RE: Exception Well Location** 

Hanging Rock 11-24-14-30 SWSW Sec 30-T11S-R24E

571' FSL - 815' FWL

Lease Serial No.: UTU-85249

**Uintah County, Utah** 

Ladies and Gentlemen:

Request for exception well location to avoid a surface third party pipeline crossing the center of the SWSW of Section 30 diagonally.

Enduring Resources, LLC is the only leasehold interest owner in Section 30, T11S-R24E, and within 460 feet of any part of the above-referenced proposed well's well bore, therefore,

A. ERLLC grants itself permission for an exception well location.

Should you have any questions concerning this matter, please do not hesitate to call (303) -350-5114.

Very truly yours,

**ENDURING RESOURCES, LLC** 

Alvin R. (Al) Arlian

Landman – Regulatory Specialist

ara/

cc: BLM

RECEIVED
SEP 0 8 2008

DIV. OF OIL, GAS & MINING

## Enduring Resources, LLC Hanging rock 11-24-14-30

SW/4SW/4 (Lot 4) Sec 30-T11S-24E Uintah County, Utah

Federal Lease: UTU-85249

#### **ONSHORE ORDER 1 - DRILLING PLAN**

#### 1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	374'
Wasatch	2724'
Mesaverde	4310'

#### 2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.) TVD
	KB-Uinta Elevation: 5,945' est.	
Oil / Gas	Green River	374'
Oil /Gas	Wasatch	2724'
Oil /Gas	Mesaverde	4310'
	TD	4,865'

An 11" hole surface hole will be drilled with air, air/mist, foam or mud depending on hole conditions to approximately 2016 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set and cemented to surface. Surface casing will be pre-set before drilling rig is moved on location. ProPetro Services Incorporated, or if not available, another Surface Hole Driller (collectively "Surface Hole Driller") will drill the surface hole. A 300 or 400 bbl tank of fresh water will be on location prior to commencement of operations to use as a kill fluid. The anchored blooie line shall be at least 6" in diameter and extend straight from the wellhead to the reserve/blooie pit. Surface Hole Driller's equipment includes a 1250 CFM compressor on the drilling rig along with a 1070 to 1170 CFM stand along compressor. Surface Hole Driller's equipment shall be setup on the front side of the location with the rig between the driller and the reserve/blooie pit. The stand alone compressor will be adjacent to the rig on the same side as the driller. Surface Hole Driller's equipment includes spark arrestors on engines, a diverter head, a mister close to the end of the blooie line for dust suppression, a continuously lit pilot light, a fluid pump to circulate kill fluids as necessary, a diverter on the end of the blooie line, a float valve in the drill string and kill switches.

#### Pressure Control Equipment: (3000 psi schematic attached) 3.

- Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular Α. preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in Onshore Oil & Gas Order Number 2. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- Pressure Rating: 3,000 psi BOPE B.
- Kelly will be equipped with upper and lower Kelly valves. C.
- Testing Procedure: Annular Preventer D.

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- When the annular preventer is initially installed; 1.
- Whenever any seal subject to test pressure is broken; 2.
- Following related repairs; and 3.
- At thirty (30) day intervals. 4.

In addition to the above, the annular preventer will be functionally operated at least weekly.

#### Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- Whenever any seal subject to test pressure is broken; 2.
- Following related repairs; and 3.
- At thirty (30) day intervals. 4.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

Miscellaneous Information: E.

> The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Oil & Gas Order Number 2.

#### 4. Proposed Casing & Cementing Program:

#### A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set
					(MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 4865' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe. Surface casing will be pre-set before the drilling rig is moved on location.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

#### B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
4865' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/2.51 (d)	7780/3.35 (e)	223/4.60 (f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

#### PROPOSED CEMENTING PROGRAM

#### Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaC <sub>2</sub> + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15  $\rm ft^3/sx$ ) cement will be premium cement w/  $\rm 3\%~CaCl_2 + 0.25~pps~celloflake$ . Volume as required

#### Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl <sub>2</sub> + 0.25 pps celloflake	As Req.		15.8	1.15

#### Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
4-1/2"	Lead	608	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	55	25	11.0	3.3
4-1/2"	Tail	2541	50/50 POZ Class G + 2% gel +1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	464	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

#### 5. **Drilling Fluids (mud) Program:**

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' - 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-4865' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

#### 6. **Evaluation Program:**

Tests:

No tests are currently planned.

Coring:

No cores are currently planned.

Samples:

No sampling is currently planned.

#### Logging

 Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML TD to Base Surface Casing

• Cement Bond Log / Gamma Ray:

TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

#### 7. **Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 2.530 psi (calculated at 0.52 psi/foot of hole) and maximum anticipated surface pressure equals approximately 1,460 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

#### 8. **Anticipated Starting Dates:**

Anticipated Commencement Date-

Within one year of APD issue.

Drilling Days-

Approximately 10 days

Completion Days

Approximately 10 days

• Anticipate location construction within 30 days of permit issue.

#### 9. Variances:

None anticipated

#### 10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

A measurement while drilling (MWD) system will be used to track and control the directional path of the wellbore.

#### Enduring Resources, LLC Hanging Rock 11-24-14-30 SW/4SW/4 (Lot 4) Sec 30-T11S-24E Uintah County, Utah

Federal Lease: UTU-85249

#### **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

#### 1. Existing Roads:

Beginning at the city of Bonanza, Utah. Leave the city of Bonanza heading southerly on state highway 45 for a distance of approximately 8.7 Miles where there is a turn-off to the right. Turn right, leaving state highway 45, and proceed southwesterly for approximately 1.7 miles where there is as turn to the right. Keep to the left and continue southwesterly for approximately 6.6 miles where the road forks again. Keep to the left and proceed southwesterly for approximately 7.6 miles (5.8 + 1.8 on Topo "A") where there is an intersection. Turn right and proceed northerly approximately 0.4 miles to the beginning of the proposed access for the Hanging Rock 11-24-14-30. Turn left and proceed northwesterly approximately 7,070' (1.33 miles) along the proposed access, to the turn off to the Hanging Rock 11-24-14-31 well pad and continue northwesterly approximately 2,170' (0.41 miles) along the proposed access, to the Hanging Rock 11-24-14-30 well pad.

#### **Planned Access Roads:**

- I. The proposed access road will be approximately 9,240 feet long.
  - a. 540 feet is on-lease, and
  - b. 8,700 feet is *off-lease*.
- II. Two-track needing improvement, approximately 3250' of the proposed *OFF-LEASE* access road follows BLM existing Road R-O-W UTU-074517.
- III. Two-track needing improvement, approximately 1,130' and 2,690' of the proposed *OFF-LEASE* follows and existing jeep trail two-track,
- IV. There is approximately 1,630' of new construction access road OFF-LEASE, and
- V. There is 540' of new construction *ON-LEASE*.

Please refer to Topo Map "B" for the takeoff point for the two-track and new road construction.

Concurrently herewith a road right-of-way for the off-lease portion of the road located in Sec. 31-11S-24E and Sec. 6-12S-24E is requested.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

# 3. <u>Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):</u>

The following wells are wells located within a one (1) mile radius of the proposed location.

a. None: Water Wells:b. None: Injection Wells:c. None: Producing Wells:

d. None: Drilling Wells:e. None: Shut-in Wells:

f. None: Temporarily Abandoned Wells:

g. None: Disposal Wells:h. None: Abandoned Wells:

i. None: Dry Holes:

j. None: Observation Wells:

k. (9): Pending (staked) Wells:
1. There are nine other proposed wells within one mile of this well pad.

#### 4. Location of Existing and/or Proposed Facilities:

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be Dark Olive Black. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline: ON-LEASE 540' BLM OFF-LEASE 4,320' BLM\*

\*If this well is drilled prior to the Hanging Rock 12-24-14-31 located in the SWSW of Sec. 31-12S-24E, an additional 3,530' of OFF-LEASE pipeline R-O-W will be needed (see Additional Pipeline R-O-W HR 11-24-14-30 Map attached).

A surface gas gathering line and related equipment shall be installed for year around usage. Approximately 4,860 feet (\*plus 3,520', if applicable) of 6" or less surface gas gathering pipeline shall be laid to minimize surface disturbance.

The proposed pipeline will begin at the well site, be laid by the west side of the access road, then tie-in to:

- a. The Hanging Rock 12-24-14-31 Well's pipeline, or
- b. \*If this well is drilled prior to the Hanging Rock 12-24-14-31 there will be an additional 3,530' pipeline constructed on the west/south side of the access road with tie-in to a third party pipeline located on the west side of the Oil Springs Gas Field Road.

All State and County roads will be bored under upon State and County approvals to do so, if applicable.

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

#### 5. Location and Type of Water Supply:

Whenever practical, water will be obtained from Enduring Resources LLC Water Right Number 49-2279, Temporary Application Number: T77865 (\*See Townships of permitted Use below). If these sources are not available, a new water source shall be submitted prior to commencing operations. (This permit has one-year term and then must be renewed - April 1, 2008 to March 31, 2009)

\*Enduring Water Permits' Townships of Use:

T10S-R22E	T11S-R22E	T12S-R22E
T10S-R23E	T11S-R23E	T12S-R23E
T10S-R24E	T11S-R24E	T12S-R24E

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

#### 6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

#### 7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit well be constructed on the location and will not be located within natural drainage, where a flood hazard exits or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, brake or allow discharge of liquids.

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash well be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

#### 8. **Ancillary Facilities:**

During drilling operations, approximately 30 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

#### 9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

#### 10. Plans for Surface Reclamation:

#### **Producing Location:**

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production facilities / operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

#### **Dry Hole/Abandoned Location:**

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

#### Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the BLM

#### 11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite: Bu

Bureau of Land Management

Access:

Bureau of Land Management

Pipeline:

Bureau of Land Management

#### 12. Other Information

#### On-site Inspection for Location, Access and Pipeline Route:

The on-site was conducted on July 9, 2008

- 1. Chuck MacDonald BLM
- 2. Scott Ackerman BLM
- 3. Dustin Gardiner Tristate
- 4. Mike Stewart Ponderosa
- 5. Carroll Estes Enduring Resources

#### **Special Conditions of Approval:**

None for this well(s).

#### Archeology:

a. A Cultural Resource Inventory Report has been prepared by Montgomery Archaeological Consultants and a copy is attached.

#### Paleontology:

b. A Paleontology Reconnaissance Report has been prepared by Intermountain Paleo-Consulting and a copy is attached.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

#### 13. Lessee's or Operator's Representatives:

#### Representatives:

Alvin R. (Al) Arlian
Landman – Regulatory Specialist
Enduring Resources, LLC
475 17<sup>th</sup> Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-350-5114
Fax Tel: 303-573-0461

aarlian@enduringresources.com

Carroll Estes
Utah Production Superintendent
Enduring Resources, LLC
759 East 500 South
Vernal, UT 84078
Office Tel: 435-781-0172
Fax Tel: 435-781 0174

cestest@enduringresources.com

#### SELF-CERTIFICATION STATEMENT

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Enduring Resources, LLC and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date	September 4, 2008
------	-------------------

Name and Title:

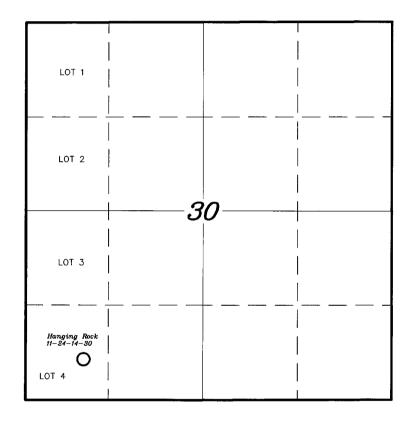
Alvin R. Arlian, Landman - Regulatory Specialist

Enduring Resources, LLC 475 17th Street, Suite 1500 Denver, Colorado 80202 (303) 350-5114

Hanging Rock 11-24-14-30 Well Lease No. UTU-85249 571' FSL- 815' FWL SWSW (Lot 4) Sec 30-11S-24E Uintah County, Utah

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.

## T11S, R24E, S.L.B.&M.



#### ENDURING RESOURCES

SECTION DRILLING MAP
HANGING ROCK 11-24-14-30



#### LEGEND

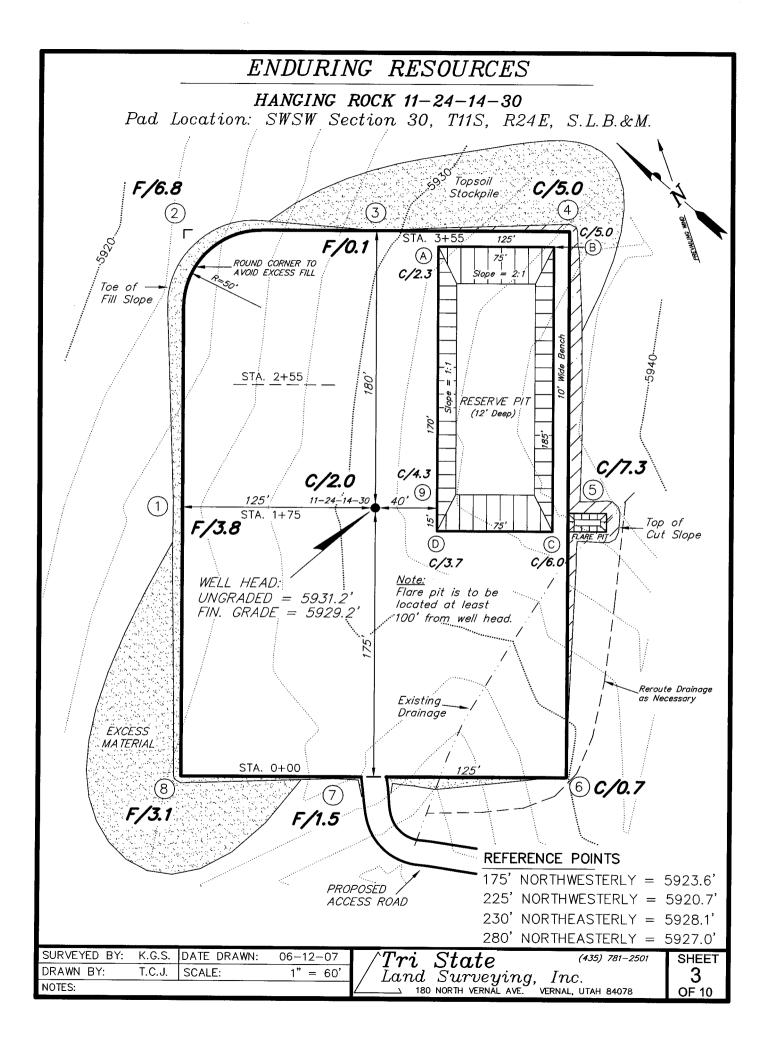
O = Vertical Well

Directional Well (Bottom Hole)

#### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

(433) 701-2301					
DATE DRAWN: 06-12-07	SURVEYED BY: K G S I				
REVISED:	DRAWN BY: T.C.J.	1			
NOTES:	SCALE: 1" = 1000'	OF 10			



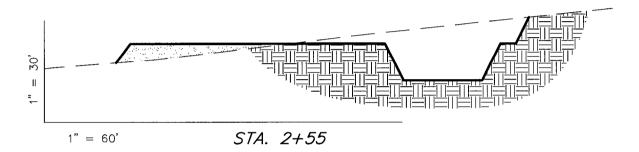
## CROSS SECTIONS

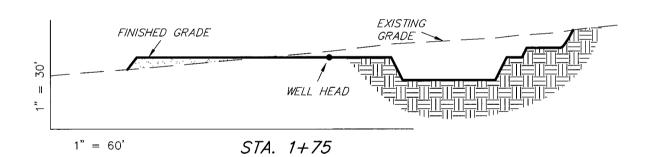
## HANGING ROCK 11-24-14-30

Pad Location: SWSW Section 30, T11S, R24E, S.L.B.&M.



S/A. 3+33







= 50 STA. U+U

(Expressed in Cubic Yards)					
ITEM	CUT	FILL	6" TOPSOIL	EXCESS	
PAD	4,810	4,810 Topsoil is		0	
PIT	4,550	0	in Pad Cut	4,550	
TOTALS	9,360	4,810	1,760	4,550	

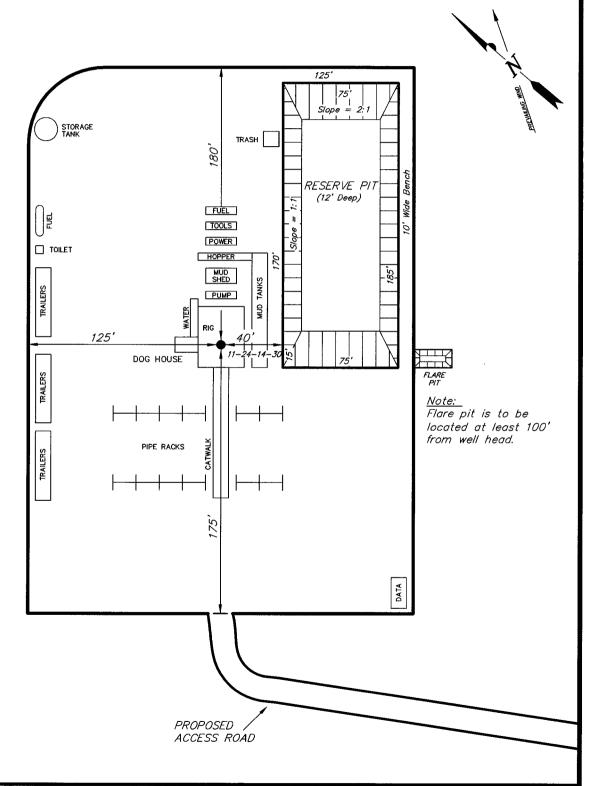
ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)

NOTE: UNLESS OTHERWISE NOTED CUT SLOPES ARE AT 1:1 FILL SLOPES ARE AT 1.5:1

SURVEYED BY:	K.G.S.	DATE DRAWN:	06-12-07	$\wedge Tri$ $State$	(435) 781–2501	SHEET
DRAWN BY:	T.C.J.	SCALE:	1" = 60'	/ Land Surveying.	Inc.	4
NOTES:				/ 3 3/	VERNAL, UTAH 84078	OF 10

# TYPICAL RIG LAYOUT HANGING ROCK 11-24-14-30

Pad Location: SWSW Section 30, T11S, R24E, S.L.B.&M.

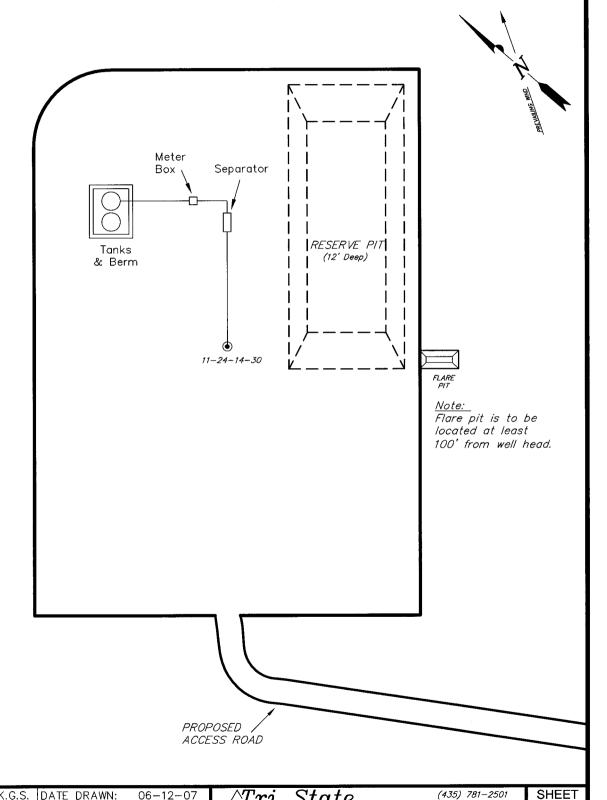


NOTES:				1/ 0/	ERNAL, UTAH 84078	OF 10
DRAWN BY:	T.C.J.	SCALE:	1" = 60'	/ Land Surveying.	Inc.	5
SURVEYED BY:	K.G.S.	DATE DRAWN:	06-12-07	Mri State	(435) 781–2501	SHEET

# PRODUCTION SCHEMATIC

HANGING ROCK 11-24-14-30

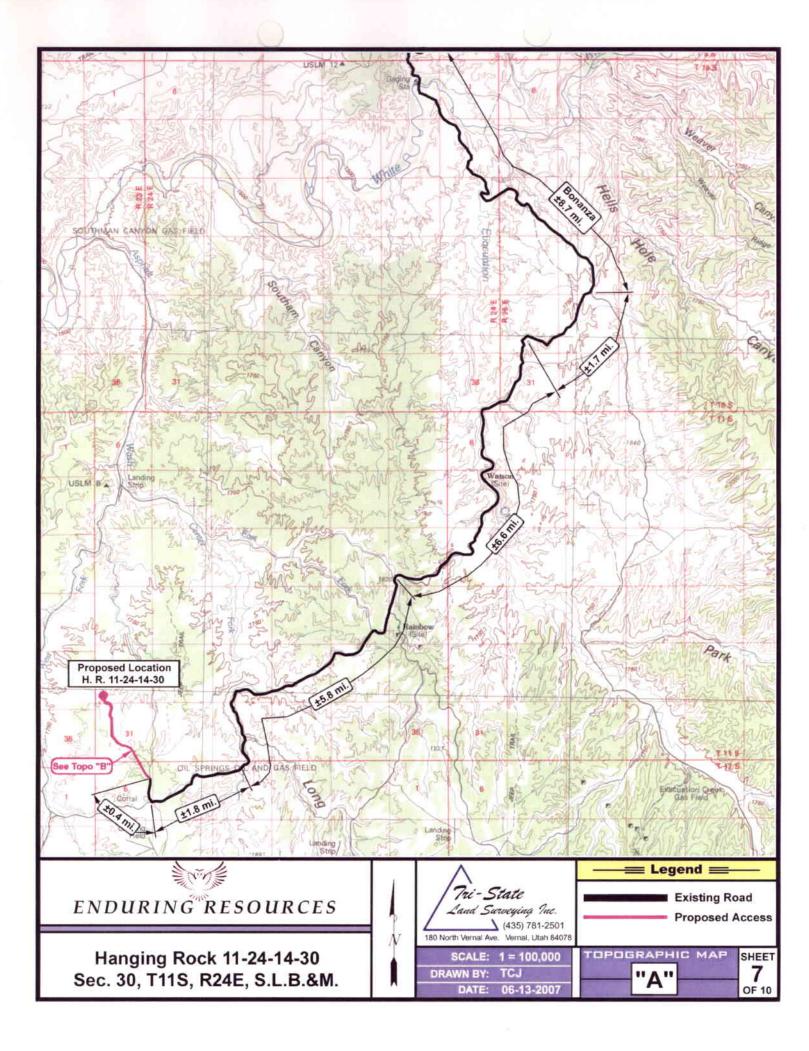
Pad Location: SWSW Section 30, T11S, R24E, S.L.B.&M.

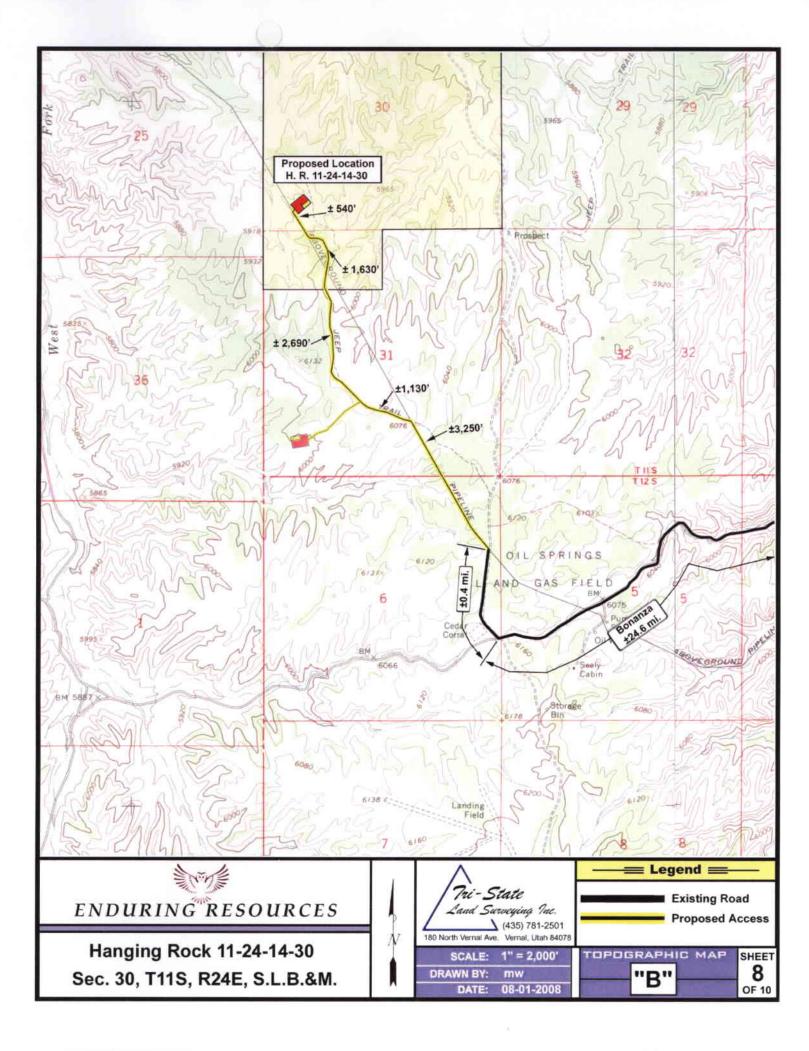


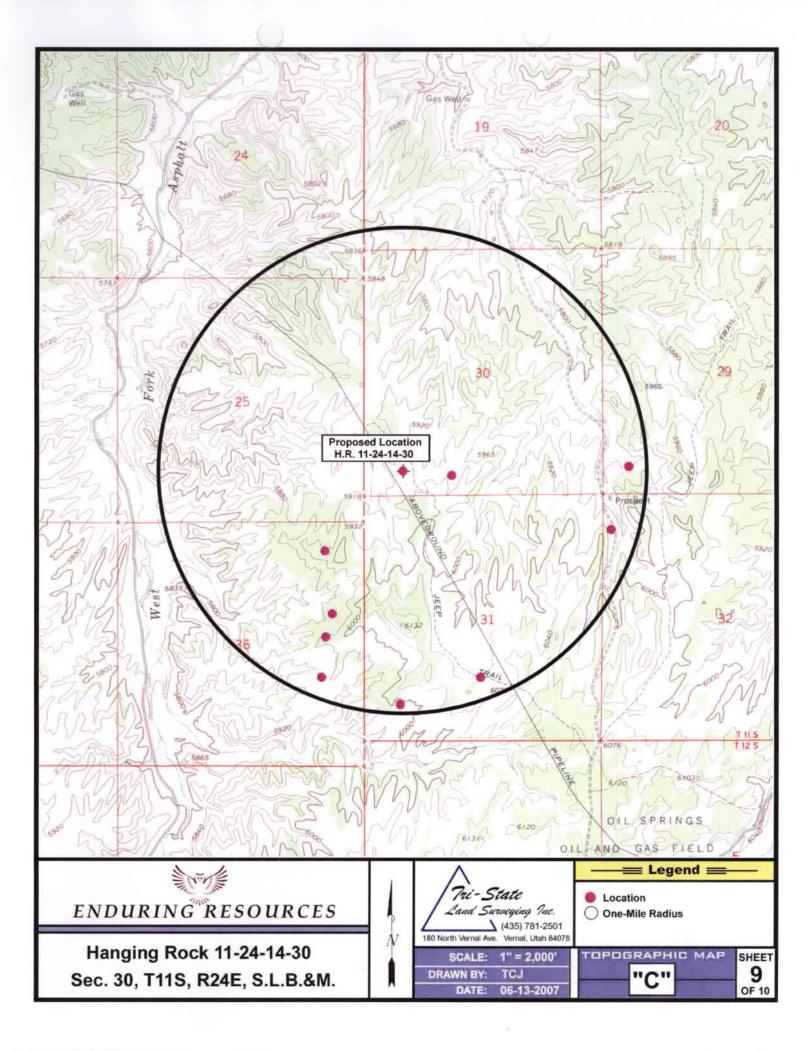
SURVEYED BY:	K.G.S.	DATE DRAWN:	06-12-07	l <i>^∏γ</i>	'n	State
DRAWN BY:	T.C.J.	SCALE:	1" = 60'	$I/\bar{L}aa$	nd	Surveyi
NOTES:						NORTH VERNAL A

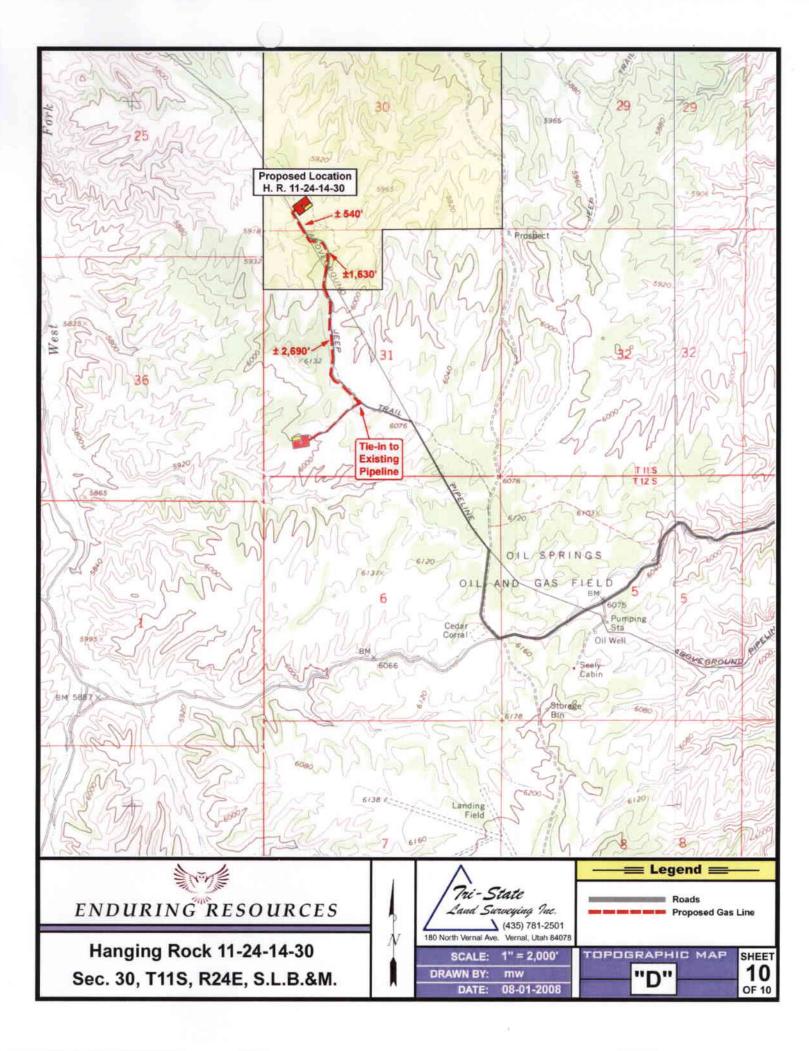
/	TT	State	(+33) 701-231	٠
	Land	Surveying,	Inc.	
		NORTH VERNAL AVE.		

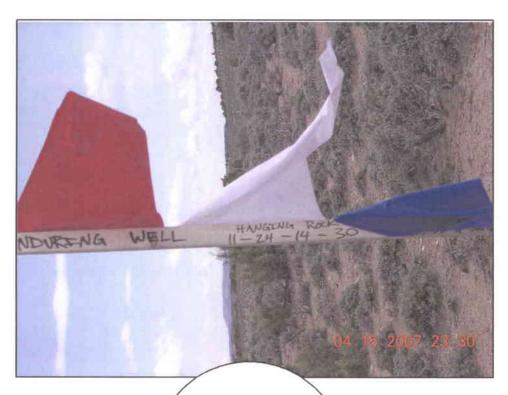
6 OF 10











CENTER STAKE

金の湯 ENDURING RESOURCES

H.R. 11-24-14-30

Date Photographed: 04/16/2007

Date Drawn: 06/13/2007 Drawn By: TCJ

7ri-State Land Surveying Inc. 180 North Vernal Ave. Vernal, Utah 84078



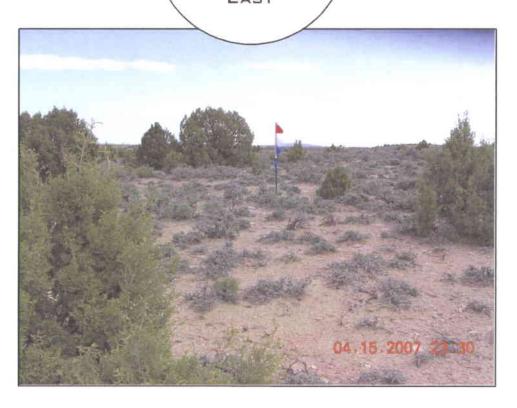
H.R. 11-24-14-30

NORTH

Date Photographed: 04/16/2007 Date Drawn: 06/13/2007 Drawn By: TCJ

EAST

Tri-State Land Surveying Inc. 180 North Vernal Ave. Vernal, Utah 84078





H.R. 11-24-14-30

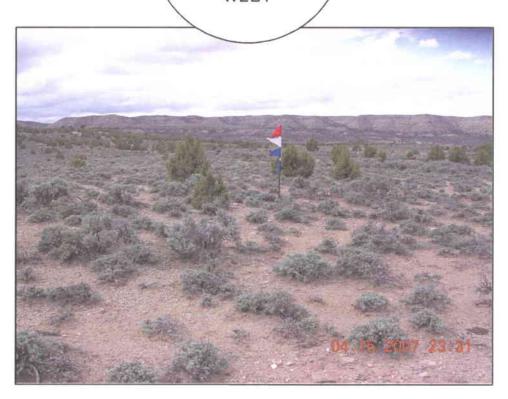
SOUTH

Date Photographed: 04/16/2007

Date Drawn: 06/13/2007 Drawn By: TCJ

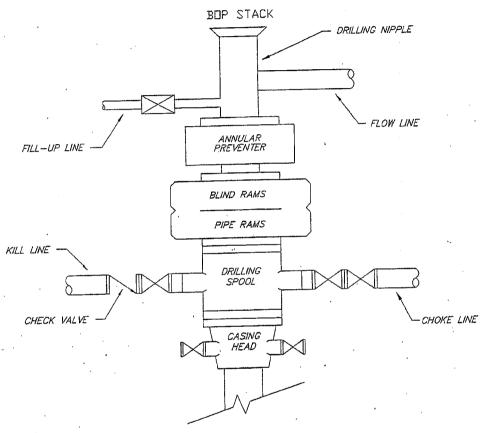
WEST

Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078

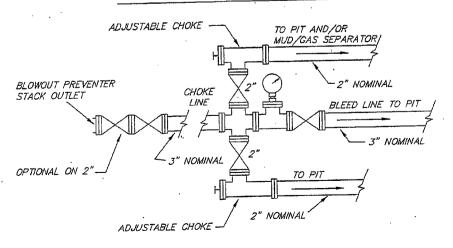


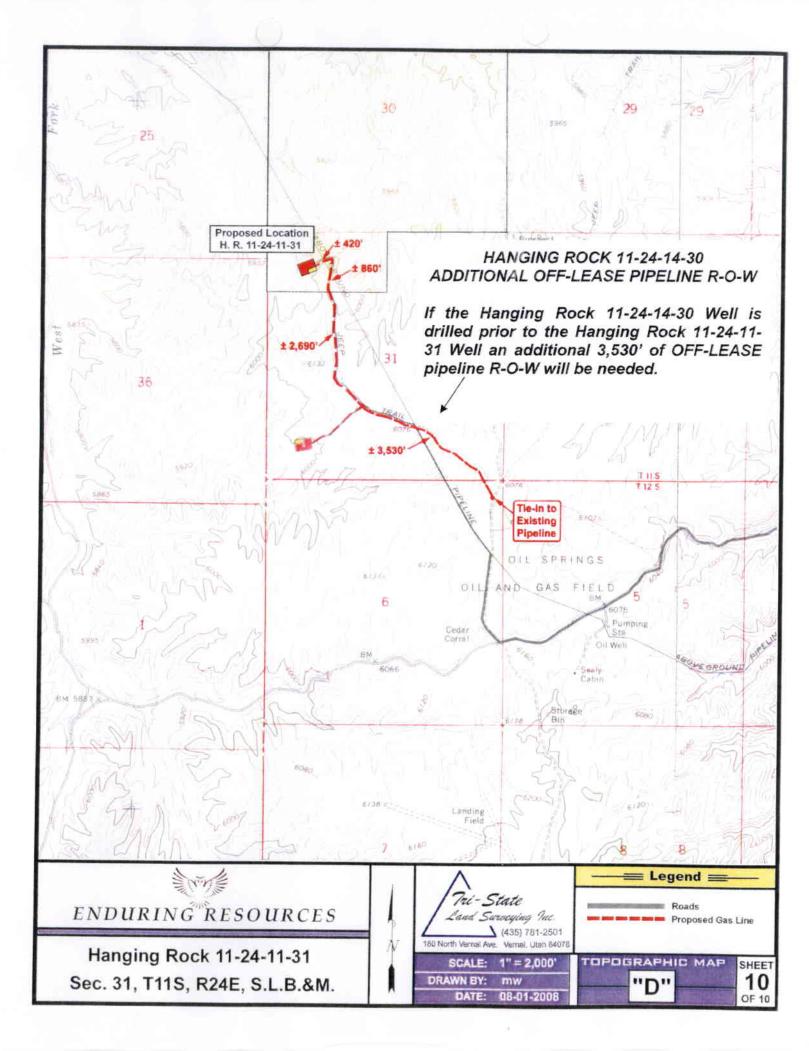
## **ENDURING RESOURCES, LLC**

TYPICAL 3,000 p.s.i.
BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 prs.i. CHOKE MANIFOLD SCHEMATIC

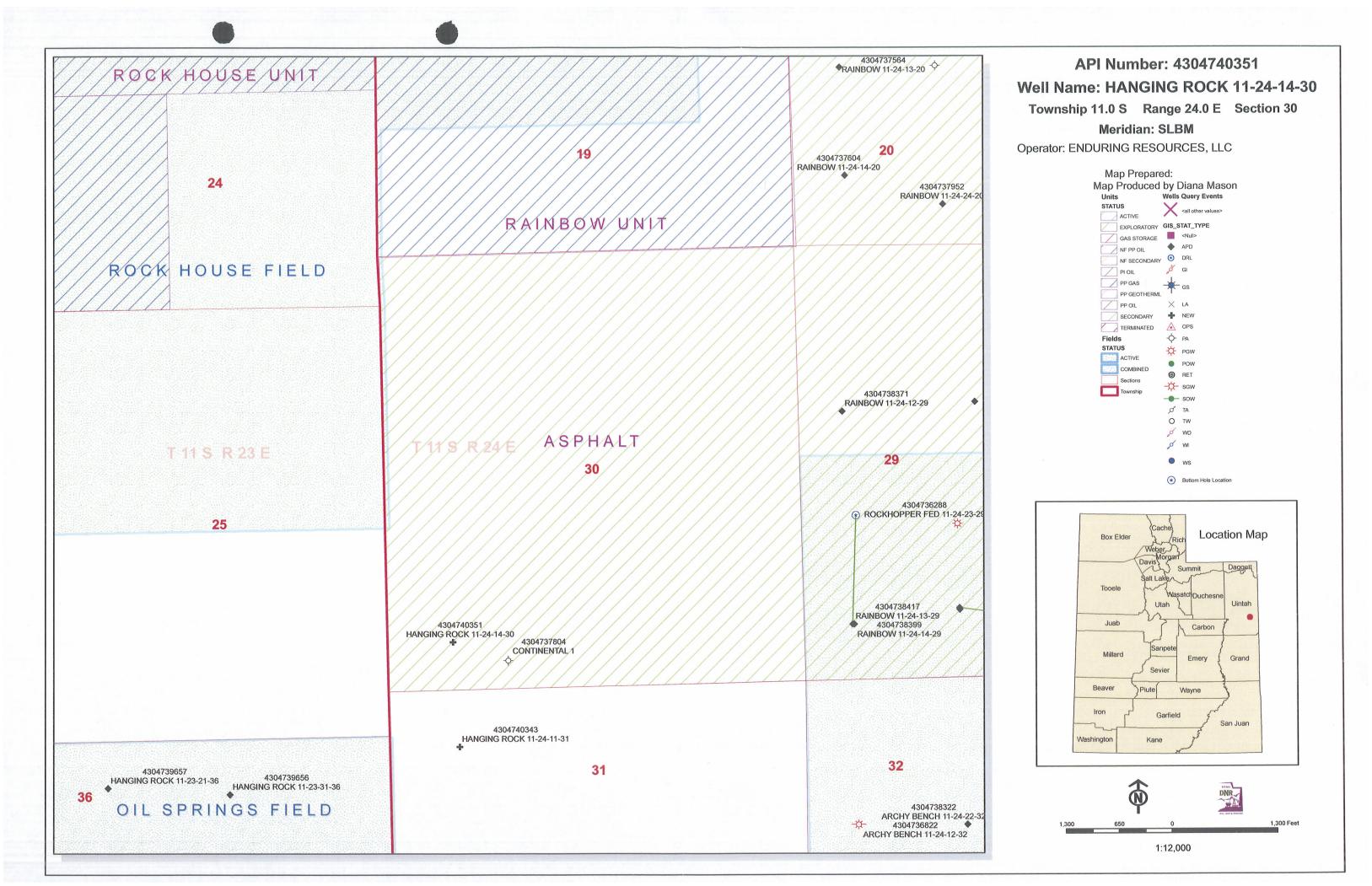




#### WORKSHEET

## APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/08/2008	API N	O. ASSIGNED	): 43-047	-40351
WELL NAME: HANGING ROCK 11-24-14-30  OPERATOR: ENDURING RESOURCES, LLC ( N2750 )  CONTACT: AL ARLIAN	PHONE 1	NUMBER: 303	3-350-5114	1
PROPOSED LOCATION:	INSPEC	T LOCATN BY	ά: /	/
SWSW 30 110S 240E	Tech R	Review I	Initials	Date
SURFACE: 0571 FSL 0815 FWL BOTTOM: 0571 FSL 0815 FWL	Engine	ering		
COUNTY: UINTAH	Geolog			
LATITUDE: 39.82733 LONGITUDE: -109.2787	Confee			
UTM SURF EASTINGS: 647305 NORTHINGS: 44098 FIELD NAME: UNDESIGNATED ( 2	00			<u> </u>
LEASE TYPE: 1 - Federal  LEASE NUMBER: UTU-85249  SURFACE OWNER: 1 - Federal	COALBE	ED FORMATION  D METHANE WAR		D
Plat  Bond: Fed[1] Ind[] Sta[] Fee[]  (No. RLB0008031 )  Potash (Y/N)  Oil Shale 190-5 (B) or 190-3 or 190-13  Water Permit  (No. 49-2279 )  RDCC Review (Y/N)  (Date: )  No Fee Surf Agreement (Y/N)  Intent to Commingle (Y/N)	R649-3-3  Drilling  Board (  Eff Dat  Siting	General	Qtr & 920' E on	
STIPULATIONS:  1- Ceci n Co	eprove()			



## **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

September 15, 2008

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2008 Plan of Development Asphalt Unit, Uintah County,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2008 within the Asphalt Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ MesaVerde)

43-047-40351 Hanging Rock 11-24-14-30 Sec 30 T11S R24E 0571 FSL 0815 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

hcc:

File - Asphalt Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:9-15-08



Lieutenant Governor

# State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

September 16, 2008

Enduring Resources, LLC 475 17th St., Ste. 1500 Denver, CO 80202

Re:

Hanging Rock 11-24-14-30 Well, 571' FSL, 815' FWL, SW SW, Sec. 30, T. 11 South,

R. 24 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40351.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal Office



Operator:	Enduring Resources, LLC				
Well Name & Number	Hanging Rock 11-24-14-30				
API Number:	43-047-40351 UTU-85249				
Lease:	010-83249				
Location: SW SW	Sec. 30 T. 11 South R. 24 East				

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

# 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

	STATE OF UTAH		FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-85249
SUND	SUNDRY NOTICES AND REPORTS ON WELLS		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: ASPHALT
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: HANGING ROCK 11-24-14-30
2. NAME OF OPERATOR: Enduring Resources, LLC	9. API NUMBER: 43047403510000		
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500,	Denver, CO, 80202 303	PHONE NUMBER: 3 350-5114 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0571 FSL 0815 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 30	IP, RANGE, MERIDIAN: D Township: 11.0S Range: 24.0E Meridiar	n: S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION DIMPLETED OPERATIONS. Clearly show all pe	APD term.	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  ✓ APD EXTENSION  OTHER:  Volumes, etc.  Approved by the  Utah Division of  Oil, Gas and Mining  Date: September 22, 2009
NAME (PLEASE PRINT)	PHONE NUMBE		
Alvin Arlian SIGNATURE	303 350-5114	Landman-Regulatory <b>DATE</b>	
N/A		9/15/2009	



Sig

#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

### Request for Permit Extension Validation Well Number 43047403510000

**API:** 43047403510000

Well Name: HANGING ROCK 11-24-14-30

Location: 0571 FSL 0815 FWL QTR SWSW SEC 30 TWNP 110S RNG 240E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 9/16/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

TILE LEAD	sion. Following is a checklist of	some items related to the	s application, w	ilicii siloulu be verilleu.
	ated on private land, has the ow ed?  Yes  No	nership changed, if so, ha	as the surface a	agreement been
	any wells been drilled in the vio requirements for this location?		l which would a	affect the spacing or
	nere been any unit or other agre s proposed well? 📋 Yes 🌘		could affect the	e permitting or operation
	there been any changes to the the the proposed location?		nership, or righ	ntof- way, which could
• Has th	ne approved source of water for	drilling changed? 🔘 Yo	es 📵 No	
	there been any physical change le in plans from what was discu			which will require a  No
• Is bor	nding still in place, which covers	s this proposed well?	Yes 📗 No	Approved by the Jtah Division of I, Gas and Mining
nature:	Alvin Arlian Da	ite: 9/15/2009		
	Landman-Regulatory Representi		S, LLC Date:	September 22, 2009
				- (00

STATE OF UTAH			FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-85249		
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
		7.UNIT or CA AGREEMENT NAME: ASPHALT		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: HANGING ROCK 11-24-14-30	
2. NAME OF OPERATOR: Enduring Resources, LLC			9. API NUMBER: 43047403510000	
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500,		NUMBER: -5114 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0571 FSL 0815 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 30	(P, RANGE, MERIDIAN: ) Township: 11.0S Range: 24.0E Meridian: S		STATE: UTAH	
11.	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION  DMPLETED OPERATIONS. Clearly show all pertine an one-year extension to APD t	ent details including dates, depths, v ermination date.	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  ✓ APD EXTENSION  OTHER:  Olumes, etc.  Approved by the  Utah Division of  Oil, Gas and Mining  ate: September 20, 2010  y:	
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE Landman-Poquiatory		
Alvin Arlian SIGNATURE N/A	303 350-5114	Landman-Regulatory  DATE 9/13/2010		



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047403510000

**API:** 43047403510000

Well Name: HANGING ROCK 11-24-14-30

Location: 0571 FSL 0815 FWL QTR SWSW SEC 30 TWNP 110S RNG 240E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 9/16/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

	ated on private land, ed?  Yes  No		ship changed, i	f so, has the	surface ag	reement been	
	any wells been drille requirements for thi			ed well whicl	h would af	fect the spacing	or
	nere been any unit or s proposed well?		ents put in plac	e that could	affect the	permitting or op	eration
	there been any chang the proposed location			ing ownershi	ip, or right	of- way, which c	ould
• Has th	ne approved source o	f water for dri	lling changed?	Yes 📵	No		
	there been any physi je in plans from what						: a
• Is bor	nding still in place, w	hich covers th	is proposed wel	l? 📵 Yes	📄 No 😈	oproved by the tah Division of Gas and Minir	•
Signature:	Alvin Arlian	Date:	9/13/2010				
_	Landman-Regulatory I			OURCES, LLC		September 20, 2	2010
	,	-		•	7	00 00	

By: Dodge

Sundry Number: 18454 API Well Number: 43047403510000

	STATE OF UTAH				FORM 9	
	DIVISION OF OIL, GAS, AND M		3	5.LEAS UTU-8	<b>E DESIGNATION AND SERIAL NUMBER:</b> 15249	
SUNDF	RY NOTICES AND REPORTS	s on	WELLS	6. IF I	NDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepe agged wells, or to drill horizontal laterals.				7.UNIT or CA AGREEMENT NAME: ASPHALT	
1. TYPE OF WELL Gas Well					L NAME and NUMBER: ING ROCK 11-24-14-30	
2. NAME OF OPERATOR: Enduring Resources, LLC					NUMBER: '403510000	
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500,			UMBER: 5114 Ext		<b>D and POOL or WILDCAT:</b> SIGNATED	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0571 FSL 0815 FWL	FOOTAGES AT SURFACE:			COUNT		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 30	IP, RANGE, MERIDIAN: D Township: 11.0S Range: 24.0E Meridian	n: S		STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT	, OR OT	HER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION			
	☐ ACIDIZE		ALTER CASING		CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME	
9/16/2011	☐ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN		FRACTURE TREAT		NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK	
	☐ PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON	
	☐ TUBING REPAIR		VENT OR FLARE		WATER DISPOSAL	
☐ DRILLING REPORT	☐ WATER SHUTOFF		SI TA STATUS EXTENSION	1	APD EXTENSION	
Report Date:	□ WILDCAT WELL DETERMINATION		OTHER	отн	ER:	
12 DESCRIPE BRODOSED OF CO	MPLETED OPERATIONS. Clearly show all p		-			
	an one-year extension to AP			volumes,	etc.	
	,					
					Approved by the	
					Jtah Division of I, Gas and Mining	
				Oi	·	
			ı	Date:_	09/14/2011	
				F	00.cut 110	
				BA: <u>(7</u> )	resex 11 700	
					77	
NAME (PLEASE PRINT)	PHONE NUMBER	R	TITLE			
Alvin Arlian	303 350-5114	•	Landman-Regulatory			
SIGNATURE N/A			<b>DATE</b> 9/13/2011			

Sundry Number: 18454 API Well Number: 43047403510000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

## Request for Permit Extension Validation Well Number 43047403510000

**API:** 43047403510000

Well Name: HANGING ROCK 11-24-14-30

Location: 0571 FSL 0815 FWL QTR SWSW SEC 30 TWNP 110S RNG 240E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 9/16/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

<ul> <li>If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No</li> </ul>
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes </li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes </li> <li>No</li> </ul>
• Has the approved source of water for drilling changed? 🔘 Yes 📵 No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No

Signature: Alvin Arlian Date: 9/13/2011

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC

Sundry Number: 29947 API Well Number: 43047403510000

STATE OF UTAH			FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-85249
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, r FOR PERMIT TO DRILL form	posals to drill new wells, significantly deep eenter plugged wells, or to drill horizontal n for such proposals.	pen existing wells below laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: ASPHALT
			8. WELL NAME and NUMBER: HANGING ROCK 11-24-14-30
2. NAME OF OPERATOR: Enduring Resources, LLC			<b>9. API NUMBER:</b> 43047403510000
3. ADDRESS OF OPERATOR: 511-16th Street, Suite 700		DNE NUMBER: 350-5114 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0571 FSL 0815 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWSW Section: 3	IIP, RANGE, MERIDIAN: 30 Township: 11.0S Range: 24.0E Meridian:	S	STATE: UTAH
11. CHEC	CAPPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF		CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  ✓ APD EXTENSION  OTHER:  DEPths, volumes, etc.  Approved by the Utah Division of Oil, Gas and Mining  Date: September 17, 2012  By:
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
Alvin Arlian SIGNATURE N/A	303 350-5114	DATE 9/14/2012	

Sundry Number: 29947 API Well Number: 43047403510000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047403510000

**API:** 43047403510000

Well Name: HANGING ROCK 11-24-14-30

Location: 0571 FSL 0815 FWL QTR SWSW SEC 30 TWNP 110S RNG 240E MER S

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• Is bonding still in place, which covers this proposed well?   Yes   No
noture. Alvin Arlian Detai 0/14/2012

Signature: Alvin Arlian Date: 9/14/2012

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC

Sundry Number: 42400 API Well Number: 43047403510000

	STATE OF UTAL		FORM 9		
	STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCE		5.LEASE DESIGNATION AND SERIAL NUMBER:		
	DIVISION OF OIL, GAS, AND MIN	ING	UTU-85249		
SUNDR	RY NOTICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: ASPHALT		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: HANGING ROCK 11-24-14-30		
2. NAME OF OPERATOR: Enduring Resources, LLC			<b>9. API NUMBER:</b> 43047403510000		
3. ADDRESS OF OPERATOR: 511-16th Street, Suite 700	, Denver, CO, 80202	PHONE NUMBER: 303 350-5114 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0571 FSL 0815 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SWSW Section:	HIP, RANGE, MERIDIAN: 30 Township: 11.0S Range: 24.0E Merid	ian: S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
· /	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
9/16/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION		
Report Date:			OTHER:		
	WILDCAT WELL DETERMINATION	UI OTHER	Official Control of the Control of t		
I .	completed operations. Clearly show a an one-year extension to API		Approved by the		
ivequest for a	an one-year extension to AF	expiration date.	Utah Division of Oil, Gas and Mining		
			Date: September 17, 2013		
			By: Docyll		
NAME (DI EAGE ESTITE)		-D   TITLE			
NAME (PLEASE PRINT) Alvin Arlian	<b>PHONE NUMB</b> I 303 350-5114	ER TITLE Landman-Regulatory			
SIGNATURE N/A		<b>DATE</b> 9/9/2013			

Sundry Number: 42400 API Well Number: 43047403510000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047403510000

**API:** 43047403510000

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• Is bonding still in place, which covers this proposed well?   Yes   No

Signature: Alvin Arlian Date: 9/9/2013

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC



# **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT Green River District Vernal Field Office

Vernal Field Office 170 South 500 East Vernal, UT 84078

http://www.blm.gov/ut/st/en/fo/vernal.html

OCT 10 2014

IN REPLY REFER TO: 3160 (UTG011)

Al Arlian Enduring Resources, LLC 511 16<sup>th</sup> Street, Suite 700 Denver, CO 80202 RECEIVED

DIV. OF OIL, GAS & MINING

43 047 40351

Dear Al:

The following Applications for Permit to Drill (APD) are being returned unapproved per your request to this office in an email message to Natural Resource Specialist Melissa Wardle received on July 1, 2013. If you intend to drill at any of these locations at a future date, a new APD must be submitted.

Lease	Well	Aliquot	Sec., T., R.	Date Rec'd
UTU-73906	Buck Camp Canyon 11-22-21-27	NENW	Sec. 27, T11S-R22E	10/20/2006
UTU-73907	Buck Camp Canyon 11-22-32-28	SWNE	Sec. 28-T11S-R22E	9/27/2006
UTU-73019	Buck Camp Canyon 12-22-31-3	NWNE	Sec.3-T12S-R22E	12/11/2006
UTU-73688	Buck Camp Canyon 12-22-43-3	NESE	Sec. 3-T12S-R22E	12/11/2006
UTU-73688	Buck Camp Canyon 12-22-44-3	SESE	Se. 3-T12S-R22E	12/11/2006
UTU-73920	East Bench 3-17-11-22	NENW	Sec. 17-T11S-R22E	5/30/2008
UTU-73920	East Bench 9-17-11-22	NESE	Sec. 17-T11S-R22E	10/13/2005
UTU-73905	East Bench 16-17-11-22	SESE	Sec. 17-T11S-R22E	5/30/2008
UTU-85249	Hanging Rock 11-24-14-30	Lot 4	Sec. 30-T11S-R24E	9/5/2008

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Resource Minerals

Enclosures

CC:

**UDOGM** 

bcc:

Well File



# State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 11, 2014

Al Arlian Enduring Resources, LLC 511-16<sup>TH</sup> Street, Suite 700 Denver, CO 80202 43 047 40351 Hanging Rock 11-24-14-30 30 115 24E

Re:

APDs Rescinded for Enduring Resources, LLC, Uintah County

Dear Mr. Arlian:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

**Environmental Scientist** 

cc:

Well File

Bureau of Land Management, Vernal



43-047-38908BUCK CAMP CYN 12-22-43-3 43-047-38909 BUCK CAMP CYN 12-22-31-3 43-047-38930 BUCK CAMP CYN 12-22-44-3 43-047-50197 COYOTE WASH 8-24-44-33 43-047-35906 BUCK CAMP 12-21-41-24 43-047-35907 BONANZA 9-23-42-11 43-047-35925 BONANZA 9-24-11-35 43-047-35914 SOUTHMAN CYN 9-24-24-30 43-047-35919 BONANZA 9-23-33-12 43-047-35952 BONANZA 9-24-24-8 43-047-37162 EAST BENCH 11-22-21-17 43-047-37164 E BENCH 11-22-44-17 43-047-37185 BONANZA 9-24-12-26 43-047-38665 BUCK CAMP CYN 11-22-32-28 43-047-38668 BUCK CAMP CYN 11-22-34-28 43-047-40343 HANGING ROCK 11-24-11-31 → 43-047-40351 HANGING ROCK 11-24-14-30

43-047-39196 HANGING ROCK 11-24-14-31